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Renewable Resources, Environment, Lands and Parks Department
Service des ressources renouvelables, de l'environnement, du territoire et des parcs

ᐋᑕᑦᑎᑭᑎᓂᑦ ᑕᓴᓯᑎᓯᐅᑎᑦ – ᓄᓇᐱᑦ ᐱᐅᑦᑭᑎᑦᓴᓴᑦ ᓄᓇᑭᑦ ᐋᑦᑕᓇᑭᓐᓇᑕᐅᑦ ᐱᑦᓴᑦᐋᑦ ᑕᓯᑦᐅᓯᓯᐱᓴᓴᑦ, 2015–2020

ᐅᑦᑭᐱᓚ 2019

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BGE: Boissons gazeuses environnement (ᐃᑦᑲᑦᑲᑦ ᑎᖅᑎᑕᐃᑦ ᐃᑕᑎᑦᑎᑦ)

CRD: construction, renovation, demolition (ᐃᑕᑎᑦᑲᑦ, ᐃᑕᑎᑦᑲᑦᑎᑦᑲᑦ, ᑦᑲᑕᑎᑦᑲᑦ)

EPRA: Electronic Products Recycling Association (ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ)

ICI: industrial-commercial-institutional (ᐃᑕᑎᑦᑲᑦ-ᐃᑕᑎᑦᑲᑦ-ᐃᑕᑎᑦᑲᑦ)

KI: Kativik Ilisarniliriniq (ᑲᑎᑕᑦ ᐃᑕᑎᑦᑲᑦ)

KRETC: Kativik Regional Employment and Training Committee (ᑲᑎᑕᑦ ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ)

KRG: Kativik Regional Government (ᑲᑎᑕᑦ ᐃᑕᑎᑦᑲᑦ ᑲᑕᑎᑦᑲᑦ)

MELCC: Ministère de l'Environnement et de la Lutte contre les changements climatiques (ᐃᑕᑎᑦᑎᑦ ᑦᑲᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦ)

NV: northern village (ᐅᑦᑲᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ)

Nunavik RMMP: *Nunavik Residuals Materials Management Plan, 2015–2020* (ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ, 2015-2020)

QRMMP: *Québec Residual Materials Management Plan* (ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ ᐃᑕᑎᑦᑲᑦ, 2015-2020)

RMO: recognized management organization (ᑦᑲᑕᑎᑦᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ)

RRRPE: *Regulation respecting the Recovery and Reclamation of Products by Enterprises* (ᑕᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ)

SHQ: Société d'habitation du Québec (ᐃᑕᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ)

SOGHU: Société de gestion des huiles usagés (ᐃᑕᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ)

SPN: Société du Plan Nord (ᐃᑕᑎᑦᑎᑦᑎᑦ ᐃᑕᑎᑦᑎᑦᑎᑦ)

ጋዋጅ 1: ሳይንስና ቴክኖሎጂ - ሊቀጥ ሳይንስ ሙያ RMMF-ኤስ 2015-2020-ፖ

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1.1 ሳይንስና ቴክኖሎጂ ሙያ ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ	ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ	KRG-ፊ	2020-ፖ	ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ	ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ
1.2 ሳይንስና ቴክኖሎጂ ሙያ ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ	ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ	KRG-ፊ	ሳይንስና ቴክኖሎጂ ሙያ	ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ	ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ ሰነድ ለሰነድ ሙያ ሳይንስና ቴክኖሎጂ ሙያ

2.8 ሳንብራሽ ልጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል 	ከሳንብራሽ ማዕከል ለጋገጥኛው ማዕከል ሳንብራሽ ማዕከል ልጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል	KRG-ወ	2016-ገ	ልጋገጥኛው ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል	
2.9 ሳንብራሽ ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል 	ልጋገጥኛው ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል ለጋገጥኛው ማዕከል	KRG-ወ	2017-ገ	ልጋገጥኛው ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል	ልጋገጥኛው ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል
2.10 ሳንብራሽ ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል 	ልጋገጥኛው ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል ለጋገጥኛው ማዕከል	KRG-ወ ለጋገጥኛው ማዕከል	2016-ገ	ልጋገጥኛው ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል	ልጋገጥኛው ማዕከል ለጋገጥኛው ማዕከል ከሳንብራሽ ማዕከል

[illegible]

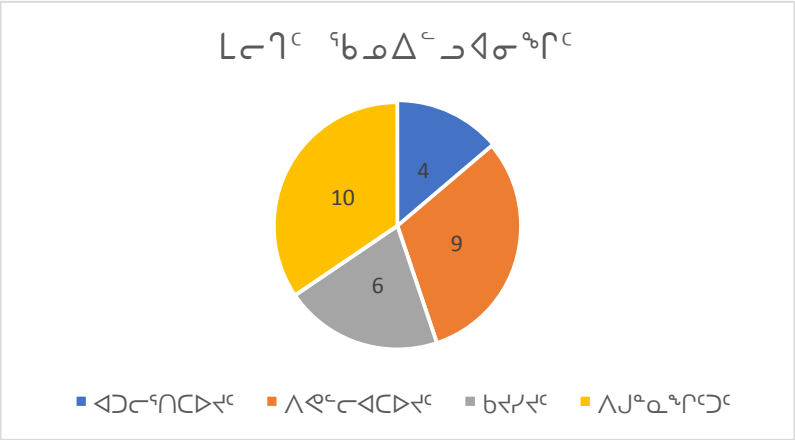
[illegible]

[illegible]

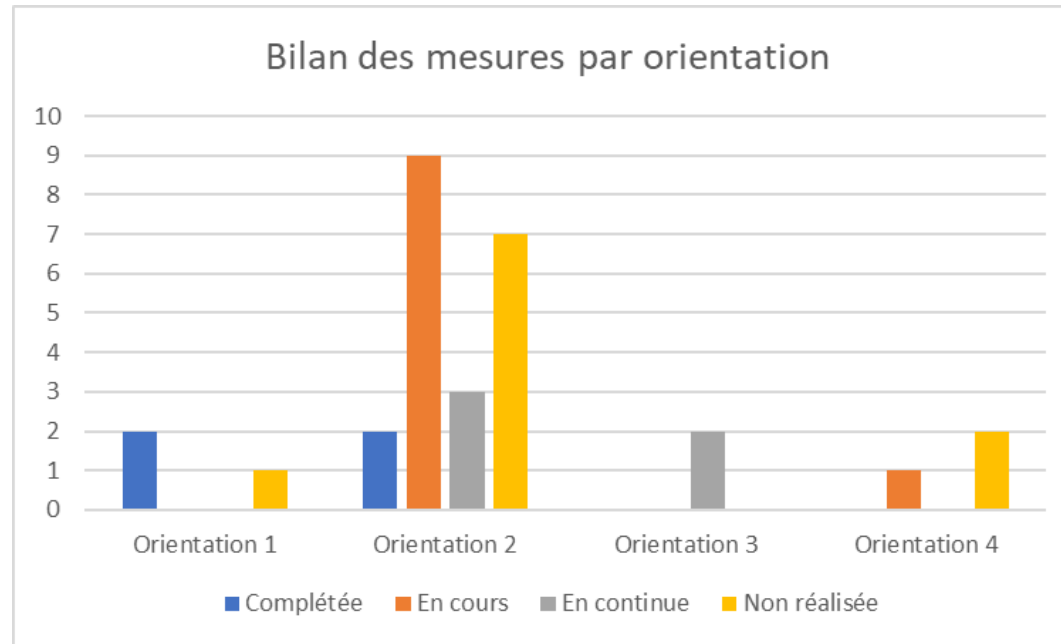
ጋዖሮድጎብጽ ልጋብኖርካሙር ፋርጋር QRMMP-ወር	ለወሙርፋርጋርግራር ፋራጋራጋራግራር ለወሙርጋር ፋርጋርግራር QRMMP-ወር.			ጋዖራርጋርግራርግራርጋር ርግራር.	
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ገጽወሙር:

-  ራግር ልጋራብርጋር
-  ራግር ለግራርጋርጋር
-  ራግር ህገራር
-  ራግር ለጋራግራርጋር



ግራጋርጋር 1: ልጋራብርጋር ግራጋርጋርጋር



መልሶሥራት 2: ለጋራነት ማረጋገጫ የሚያስፈልጉት ስራዎች

ᐃᐅᐅᐅᐅ 2: ᐅᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅ 2015-2020-ᐅ. [tableau : à ne pas reviser]

Orientations		Objectives		Measures			Total costs	
1)	Improve knowledge on residual materials management	a)	Improve knowledge	• Quantify materials • Complete annual reports and a five-year overview			\$0 ¹	
		b)	Awareness and education	• Information campaigns			\$101,185	
2)	Foster management methods applicable in Nunavik in line with sustainable development concepts	a)	Improve landfill management	• Separate zones • Operators • Fence repairs • Basic operations • Leachate control • Monitoring of burning			\$4,283,930	
		b)	Modify burning methods	• Incinerator pilot project (conditional on feasibility study)			\$1,129,000	
		c)	Reduction at source and reuse	• KRG and ICI sector environmental committees • Reduction at source measures: offices and municipal garages • Public awareness			\$0 ¹	
		d)	Selective collection	Selective collection (recyclables)	• Scenario 1: Drop-off bins			\$1,418,802
					• Scenario 2: Home collection			\$1,403,702
				Composting	• Pile composting (Kuujuaq Greenhouse Project)			\$210,000
					• Rotating composter pilot project			\$642,001
				CRD	• Call for tender changes • Set-up of zones in landfills			\$0 ^{1 and 2}
				Wastewater sludge	• No measure for another 20 years			\$0
				Textiles	• Partnerships with non-profit organizations			\$0 ¹
				Halocarbons	• Develop procedure for halocarbon recovery (for all villages)			\$308,100
					• Set up storage zones in the villages or at landfills			\$0 ²
				Vehicles	• Develop a scrap vehicle procedure (for six villages)			\$401,592
		Scrap metal	• Scrap metal recycling project (for two villages)			\$3,624,829		
		HHW	• Storage zones for all villages • KRG support for all villages • Monitoring of implementation of the RRRPE • Information campaign			\$0 ^{1 and 2}		
			• Protocol for the shipping of refundable containers • Maintain funding and the implementation of the procedure for tire recycling • Public awareness campaign (refundable containers) • Set up tire recovery zones in landfills • Support for retailers (refundable containers)			\$0 ^{1 and 2}		
e)	RRRPE implementation	• The KRG Environment Section will coordinate the implementation of the RRRPE with the associations of producers			\$0 ¹			
3)	Deliver regional support to the northern villages for measures implemented to achieve set objectives	a)	Establish partnerships with the ICI sector for residual materials management	• The KRG Environment Section and the Municipal Public Works Department will work with the ICI sector and the northern villages to ensure support, monitoring and partnership regarding residual materials management.			\$149,000	
		b)	Create municipal and regional by-laws that support achievement of objectives	• The KRG Environment Section and the Legal, Socio-Judicial and Municipal Management Department will work with the northern villages to ensure the adoption of by-laws based on residual materials management objectives.				
4)	Maintain residual materials processing and management costs at levels that are economically and socially acceptable	a)	Identify objective and quantifiable parameters for establishing the financial feasibility of measures	• Identify funding sources	• Negotiate the reduction of shipping charges	• Selection of measures in line with strategies and actions under the QRMMMP	\$0 ¹	
Total							\$12,261,216	

¹ = The costs of these measures are included in the costs of regional follow-up to be performed by KRG staff (Orientation 3).

² = The costs of these measures are included in landfill management improvement initiatives (Objective 2 a)).

[illegible]

	ፌብሩዋሪ (2016)	ጥቅምት (2017)	ሰኔ (2017)
ለፕላስቲክ ምሽግ ማግኘት የሚያስፈልጉት የፕላስቲክ ምሽግ ማግኘት:			
ፖሊኔቲክ ምሽግ ማግኘት:	72	35	87
ፖሊኔቲክ ምሽግ ማግኘት የሚያስፈልጉት የፕላስቲክ ምሽግ ማግኘት:	15	18	9
ፖሊኔቲክ ምሽግ ማግኘት:	15	-	12
ለፕላስቲክ ምሽግ ማግኘት የሚያስፈልጉት የፕላስቲክ ምሽግ ማግኘት:			
ፖሊኔቲክ ምሽግ ማግኘት ለፕላስቲክ ምሽግ ማግኘት:	40		15
ፓላዲየም (Mercury) ለፕላስቲክ ምሽግ ማግኘት:	12	6	3
ፕላስቲክ ምሽግ ማግኘት (Lead) ለፕላስቲክ ምሽግ ማግኘት (ፖሊኔቲክ ምሽግ ማግኘት):	20 lbs	1 gallon	1.5 gallons
ፖሊኔቲክ ምሽግ ማግኘት:	7 barrels	4 barrels	1.5 barrels
ፖሊኔቲክ ምሽግ ማግኘት:	7 barrels	3 barrels	1.5 barrels
ፖሊኔቲክ ምሽግ ማግኘት (Anti-Freeze):	2 barrels	1 barrel	0.5 barrel
ፖሊኔቲክ ምሽግ ማግኘት ለፕላስቲክ ምሽግ ማግኘት:	1 barrel	1 barrel	0.1 barrel

[illegible]

შპს /RMOs	EPRA (ΔΔLΔΠCΔΔ ^c)	Call2Recyle (ΔΔLΔΠ ^c)	RecycFluo (ΔΔΓ ^c ΔΔ ^c (mercury)	SOGHU (Δ ^c ΔΔΔ ^c , ΔΔΔΔ ^c Δ ^c , ΔΔ ^c LΔ ^c ΠΔ ^c ΔΔ ^c ΔΔ ^c)	Éco-peinture (CΔ ^c ΔΔJΔ ^c)
Δ ^c ΔΔ ^b	3,592 kg (2015) 3,600 kg (2017)	91 kg	240 4-ft tubes 16 8-ft tubes 17 compact fluor. lights 3 DHI	46 barrels of oil 2 barrels of containers (2015)	2,436.5 kg (2018)
Δ ^c ΔΔ ^c				2 barrels of filters 4 barrels of glycol (2015)	
Δ ^c ΔΔΔ ^b				23 barrels of oil 1 barrel of glycol (2015)	
ΔΔ ^c Δ ^b	1,638 kg (2015)				

[illegible]

	2016	2017	2018
Δ ^c ΠΡΟJ ^a ωJ ^c ΔΛ ^c ΠCΔθ ^c (kg)	4,491.07	13,187.72	13,862.56
Loss (%)	25	21	22
Total (kg)	3,371.35	10,367.95	10,777.81

[illegible]

	2015	2016	2017	2018
ᐃᑦᐅᐃᐅᑦᑦ (kg or units)				

ᐃᑦᑭᑦᑲᑦᑭᑦᑯᑦ ᐅᑦᑭᑦᑯᑦ ᐅᑦᑭᑦᑯᑦ ᐅᑦᑭᑦᑯᑦ ᐅᑦᑭᑦᑯᑦ 2015-ᑦ 2018-ᑦ

	2015	2016	2017	2018
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